

```

/*
    GOPIKRISHNA V
    52
    S3 CSE A
    Simple Calculator
*/
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
class orgcalc implements ActionListener
{
    JFrame f=new JFrame();
    JTextField text=new JTextField();

    JButton b1=new JButton("1");
    JButton b2=new JButton("2");
    JButton b3=new JButton("3");
    JButton b4=new JButton("4");
    JButton b5=new JButton("5");
    JButton b6=new JButton("6");
    JButton b7=new JButton("7");
    JButton b8=new JButton("8");
    JButton b9=new JButton("9");
    JButton b0=new JButton("0");

    JButton ba=new JButton("+");
    JButton bs=new JButton("-");
    JButton bp=new JButton("*");
    JButton bd=new JButton("/");
    JButton bdo=new JButton(".");
    JButton be=new JButton("=");

    orgcalc()
    {
        text.setBounds(2,1,320,80);

        b1.setBounds(2,80,80,80);
        b2.setBounds(82,80,80,80);
        b3.setBounds(162,80,80,80);
        b4.setBounds(2,160,80,80);
        b5.setBounds(82,160,80,80);
        b6.setBounds(162,160,80,80);
        b7.setBounds(2,240,80,80);
        b8.setBounds(82,240,80,80);
        b9.setBounds(162,240,80,80);
        b0.setBounds(2,320,80,80);

        ba.setBounds(242,80,80,80);
        bs.setBounds(242,160,80,80);
        bp.setBounds(242,240,80,80);
        bd.setBounds(162,320,80,80);
        bdo.setBounds(82,320,80,80);
        be.setBounds(242,320,80,80);
    }
}

```

```

f.add(text);
f.add(b1);
f.add(b2);
f.add(b3);
f.add(b4);
f.add(b5);
f.add(b6);
f.add(b7);
f.add(b8);
f.add(b9);
f.add(b0);
f.add(ba);
f.add(bs);
f.add(bp);
f.add(bd);
f.add(bdo);
f.add(be);

```

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b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);
b4.addActionListener(this);
b5.addActionListener(this);
b6.addActionListener(this);
b7.addActionListener(this);
b8.addActionListener(this);
b9.addActionListener(this);
b0.addActionListener(this);
ba.addActionListener(this);
bs.addActionListener(this);
bp.addActionListener(this);
bd.addActionListener(this);
bdo.addActionListener(this);
be.addActionListener(this);

```

```

f.setLayout(null);
f.setVisible(true);
f.setSize(338,438);
f.setResizable(false);

```

```

}
String num="",n="",op="";
float r=0;
void cal(String s)
{
    if(s=="+")
    {
        r=r+Float.parseFloat(n);
    }
    else if(s=="-")
    {
        r=r-Float.parseFloat(n);
    }
}

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    }
    else if(s=="*")
    {
        r=r*Float.parseFloat(n);
    }
    else if(s=="/")
    {
        r=r/Float.parseFloat(n);
    }
    else
    {
        r=Float.parseFloat(n);
    }
}
public void actionPerformed(ActionEvent e)
{
    if(e.getSource()==b1)
    {
        num+="1";
        n+="1";
        text.setText(num);
    }
    else if(e.getSource()==b2)
    {
        num+="2";
        n+="2";
        text.setText(String.valueOf((num)));
    }
    else if(e.getSource()==b3)
    {
        num+="3";
        n+="3";
        text.setText(String.valueOf((num)));
    }
    else if(e.getSource()==b4)
    {
        num+="4";
        n+="4";
        text.setText(String.valueOf((num)));
    }
    else if(e.getSource()==b5)
    {
        num+="5";
        n+="5";
        text.setText(String.valueOf((num)));
    }
    else if(e.getSource()==b6)
    {
        num+="6";
        n+="6";
        text.setText(String.valueOf((num)));
    }
    else if(e.getSource()==b7)

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```

{
    num+="7";
    n+="7";
    text.setText(String.valueOf((num)));
}
else if(e.getSource()==b8)
{
    num+="8";
    n+="8";
    text.setText(String.valueOf((num)));
}
else if(e.getSource()==b9)
{
    num+="9";
    n+="9";
    text.setText(String.valueOf((num)));
}
else if(e.getSource()==b0)
{
    num+="0";
    n+="0";
    text.setText(String.valueOf((num)));
}
else if(e.getSource()==bdo)
{
    num+=".";
    n+=".";
    text.setText(num);
}
else if(e.getSource()==ba)
{
    num+=" ";
    cal(op);
    n="";
    op=" ";
    text.setText(num);
}
else if(e.getSource()==bs)
{
    num+="-";
    text.setText(num);
    cal(op);
    n="";
    op="-";
}
else if(e.getSource()==bp)
{
    num+="*";
    text.setText(num);
    cal(op);
    n="";
    op="*";
}
}

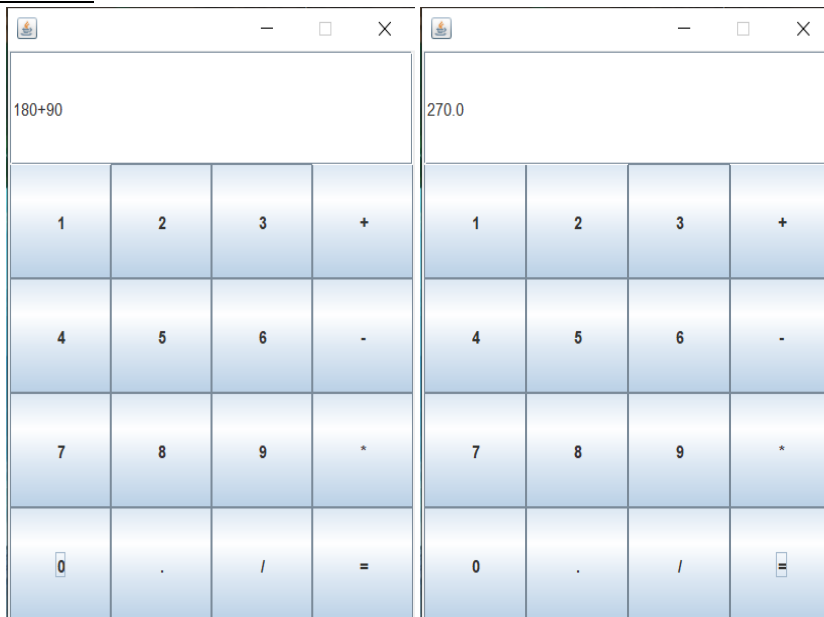
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else if(e.getSource()==bd)
{
    num+="/";
    text.setText(num);
    cal(op);
    n="";
    op="/";
}
else if(e.getSource()==be)
{
    cal(op);
    num=String.valueOf(r);
    text.setText(num);
    num="";
    n="";
    op="";
    r=0;
}
}
public static void main(String args[])
{
    new orgcalc();
}
}

```

## OUTPUT



```

Command Prompt - java orgcalc
C:\gopikrishna>javac orgcalc.java
C:\gopikrishna>java orgcalc

```